

# FEDERAL COMMUNICATIONS COMMISSION

CLASS OF STATION FM

AKA

The following application is submitted for action by the Chief, Broadcast Bureau.

ST	FILE NUMBER	CALL	APPLICANT AND LOCATION	NATURE OF APPLICATION
VA	BPH -910311MA N/M	NEW 103.5MHZ	JAMES KILLINGER CORNICK MARION VA	CP FOR A NEW FM STATION ON: FREQUENCY 103.5 MHZ; ERP: 6.0 KW H&V; HAAT: -18 METERS H&V; 36 52 00 81 26 38

LICENSE EXPIRATION DATE \_\_\_\_\_

\_\_\_\_\_  
CHIEF, LICENSE DIVISION

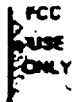
RECOMMENDATION: GRANT( ) CONSTRUCTION DATES, START \_\_\_\_\_ END \_\_\_\_\_  
 CONTESTED ( ) UNCONTESTED ( )

APPROVED \_\_\_\_\_

\_\_\_\_\_  
FOR CHIEF, BROADCAST BUREAU

F.C.C.-WASHINGTON, D.C.

FEDERAL COMMUNICATIONS COMMISSION  
**FEE PROCESSING FORM**



FCC/MELLON MAR 11 1991

03-12-91 8195564 002

Please read instructions on back of this form before completing it. Section I MUST be completed. If you are requesting concurrent actions which require you to list more than one Fee Type Code, you must also complete Section II. This form must accompany all payments. Only one Fee Processing Form may be submitted per application or filing. Please type or print legibly. All required blocks must be completed or application/filing will be returned without action.

**SECTION I**

APPLICANT NAME (Last, first, middle initial)

Cornick, James Killinger

MAILING ADDRESS (Line 1) (Maximum 85 characters - refer to instruction (2) on reverse of form)

P.O. Box 85

MAILING ADDRESS (Line 2) (If required) (Maximum 85 characters)

CITY

Marion

STATE OR COUNTRY (If foreign address)

Virginia

ZIP CODE

24354

CALL SIGN OR OTHER FCC IDENTIFIER (If applicable)

278A (103.5 mHz)

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in FCC Fee Filing Guides. Enter in Column (B) the Fee Multiple, if applicable. Enter in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number entered in Column (B), if any.

(A)	(B)	(C)										
FEE TYPE CODE	FEE MULTIPLE (If required)	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY									
(1) <table border="1"><tr><td>M</td><td>T</td><td>R</td></tr></table>	M	T	R	<table border="1"><tr><td></td><td></td><td></td><td></td></tr></table>					<table border="1"><tr><td>\$ 2,030.00</td></tr></table>	\$ 2,030.00	<table border="1"><tr><td></td></tr></table>	
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\$ 2,030.00												

**SECTION II** — To be used only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code.

(A)	(B)	(C)										
FEE TYPE CODE	FEE MULTIPLE (If required)	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY									
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ADD ALL AMOUNTS SHOWN IN COLUMN C, LINES (1) THROUGH (5), AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE.												
			<table border="1"><tr><td>TOTAL AMOUNT REMITTED WITH THIS APPLICATION OR FILING</td></tr><tr><td>\$ 2,030.00</td></tr></table>	TOTAL AMOUNT REMITTED WITH THIS APPLICATION OR FILING	\$ 2,030.00	<table border="1"><tr><td>FOR FCC USE ONLY</td></tr><tr><td>2,030.00</td></tr></table>	FOR FCC USE ONLY	2,030.00				
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FOR FCC USE ONLY												
2,030.00												

STERLING COMMUNICATIONS, INC.  
P.O. Box 80484  
Chattanooga, Tennessee 37411-7484  
(615) 899-9393

March 8, 1991

Ms. Donna R. Searcy  
Office of the Secretary  
FEDERAL COMMUNICATIONS COMMISSION  
1919 M. Street, N.W., Room 222  
Washington, DC 20554

RE: Application of **James Killinger Cornick**, seeking a  
Construction Permit for a new FM broadcast station at  
Marion, Virginia

Dear Ms. Searcy:

Enclosed please find an original and two copies of an Application  
For Construction Permit tendered for filing on behalf of the  
above referenced applicant.

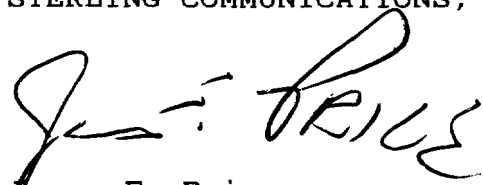
According to the FCC "Report And Order" issued in Docket 90-412,  
the window period for filing applications for Channel 278A at  
Marion, Virginia, opened February 12, 1991, and will close March  
14, 1991.

The application requests processing under Section 73.215 of the  
Rules with regard to the Commission's spacing requirements.

If you or any members of your staff have any questions concerning  
the enclosed, please communicate directly with the undersigned.

Thank you for your cooperation in this matter.

Sincerely,  
STERLING COMMUNICATIONS, INC.

  
James E. Price  
Technical Consultant

Enclosure

JEP/mlc

cc: James K. Cornick;  
William H. Crispin, Esq.

RECEIVED

MAR 13 1991

FM EXAMINERS

APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION

For COMMISSION Fee Use Only	FEE NO:	For APPLICANT Fee Use Only
	FEE TYPE	Is a fee submitted with this application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	FEE AMT:	If fee exempt (see 47 C.F.R. Section 1.1112), indicate reason therefor (check one box): <input type="checkbox"/> Noncommercial educational licensee <input type="checkbox"/> Governmental entity
	ID SEQ:	FOR COMMISSION USE ONLY FILE NO. <u>BPH-910311MA</u>

Section I - GENERAL INFORMATION

1. Name of Applicant James Killinger Cornick			Send notices and communications to the following person at the address below:		
Street Address or P.O. Box P.O. Box 85			Name James K. Cornick		
City Marion	State VA	ZIP Code 24354	City Marion	State VA	ZIP Code 24354
Telephone No. (Include Area Code) (703) 783-5126			Telephone No. (Include Area Code) (703) 783-5126		

2. This application is for: ☐ AM ☒ FM ☐ TV

(a) Channel No. or Frequency 278A (103.5 MHz)
--

(b) Principal Community	City	State
	Marion	VA

(c) Check one of the following boxes:

- ☒ Application for NEW station
- ☐ MAJOR change in licensed facilities; call sign: \_\_\_\_\_
- ☐ MINOR change in licensed facilities; call sign: \_\_\_\_\_
- ☐ MAJOR modification of construction permit; call sign: \_\_\_\_\_
- File No. of construction permit: \_\_\_\_\_
- ☐ MINOR modification of construction permit; call sign: \_\_\_\_\_
- File No. of construction permit: \_\_\_\_\_
- ☐ AMENDMENT to pending application; Application file number: \_\_\_\_\_

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application? ☐ Yes ☒ No

If Yes, state:

Call letters	103.5 MHz	State
BPH	4910311MA NEW	
MARION	VA	
JAMES KILLINGER CORNICK		

**Section II - LEGAL QUALIFICATIONS**

Name of Applicant

James Killinger Cornick

1. Applicant is: (check one box below)

- ☒ Individual      ☐ General partnership      ☐ For-profit corporation  
☐ Other      ☐ Limited partnership      ☐ Not-for-profit corporation

2. If the applicant is an unincorporated association or a legal entity other than an individual, partnership, or corporation, describe in an Exhibit the nature of the application.

Exhibit No.

NOTE: The terms "applicant," "parties to this application," and "non-party equity owners in the applicant" are defined in the instructions for Section II of this form. Complete information as to each "party to this application" and each "non-party equity owner in the applicant" is required. If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification.

3. If the applicant is not an individual, provide the date and place of filing of the applicant's enabling charter (e.g., a limited partnership must identify its certificate of limited partnership and a corporation must identify its articles of incorporation by date and place of filing):

Date \_\_\_\_\_ Place \_\_\_\_\_

In the event there is no requirement that the enabling charter be filed with the state, the applicant shall include the enabling charter in the applicant's public inspection file. If, in the case of a partnership, the enabling charter does not include the partnership agreement itself, the applicant shall include a copy of the agreement in the applicant's public inspection file.

4. Are there any documents, instruments, contracts or understandings (written or oral), other than instruments identified in response to Question 3 above, relating to future ownership interests in the applicant, including but not limited to, insulated limited partnership shares, nonvoting stock interests, beneficial stock ownership interests, options, rights of first refusal, or debentures?

☐ Yes ☒ No

If Yes, submit as an Exhibit all such written documents, instruments, contracts, or understandings, and provide the particulars of any oral agreement.

Exhibit No.

5. Complete, if applicable, the following certifications:

(a) Applicant certifies that no limited partner will be involved in any material respect in the management or operation of the proposed station.

☐ Yes ☐ No

If No, applicant must complete Question 6 below with respect to all limited partners actively involved in the media activities of the partnership.

(b) Does any investment company (as defined in 15 U.S.C. Section 80 a-31), insurance company, or trust department of any bank have an aggregated holding of greater than 5% but less than 10% of the outstanding votes of the applicant?

☐ Yes ☐ No

If Yes, applicant certifies that the entity holding such interest exercises no influence or control over the applicant, directly or indirectly, and has no representatives among the officers and directors of the applicant.

☐ Yes ☐ No

# Section 11 - LEGAL QUALIFICATIONS (Page 2)

6. List the applicant, parties to the application and non-party equity owners in the applicant. Use one column for each individual or entity. Attach additional pages if necessary.

(Read carefully - The numbered items below refer to line numbers in the following table.)

1. Name and residence of the applicant and, if applicable, its officers, directors, stockholders, or partners (if other than individual also show name, address and citizenship of natural person authorized to vote the stock). List the applicant first, officers next, then directors and, thereafter, remaining stockholders and partners.
2. Citizenship.
3. Office or directorship held.
4. Number of shares or nature of partnership interests.
5. Number of votes.
6. Percentage of votes.
7. Other existing attributable interests in any broadcast station, including the nature and size of such interests.
8. All other ownership interests of 5% or more (whether or not attributable), as well as any corporate officership or directorship, in broadcast, cable, or newspaper entities in the same market or with overlapping signals in the same broadcast service, as described in 47 C.F.R. Section 73.3555 and 76.501, including the nature and size of such interests and the positions held.

1.	James K. Cornick 640 Look Avenue Marion, VA 24354		
2.	U.S.		
3.	Sole Proprietor		
4.	N/A		
5.	N/A		
6.	N/A		
7.	NONE		
8.	N/A		

Section II - LEGAL QUALIFICATIONS (Page 3)

7. Does the applicant, any party to the application or any non-party equity owner in the applicant have, or have they had, any interest in:

(a) a broadcast station, or pending broadcast station application before the Commission?

☐ Yes ☒ No

(b) a broadcast application which has been dismissed with prejudice by the Commission?

☐ Yes ☒ No

(c) a broadcast application which has been denied by the Commission?

☐ Yes ☒ No

(d) a broadcast station, the license of which has been revoked?

☐ Yes ☒ No

(e) a broadcast application in any pending or concluded Commission proceeding which left unresolved character issues against the applicant?

☐ Yes ☒ No

If the answer to any of the questions in (a)-(e) above is Yes, state in an Exhibit the following information:

Exhibit No.

(1) Name of party having interest;

(2) Nature of interest or connection, giving dates;

(3) Call letters of stations or file number of application or docket; and

(4) Location.

8. (a) Are any of the parties to the application or non-party equity owners in the applicant related (as husband, wife, father, mother, brother, sister, son or daughter) to each other?

☐ Yes ☒ No

(b) Does any member of the immediate family (i.e., husband, wife, father, mother, brother, sister, son or daughter) of any party to the application or non-party equity owner in the applicant have any interest in or connection with any other broadcast station, pending broadcast application or newspaper in the same area (see Section 73.3555(c)) or, in the case of a television station applicant only, a cable television system in the same area (see Section 76.501(a))?

☐ Yes ☒ No

If the answer to (a) or (b) above is Yes, attach an Exhibit giving full disclosure concerning the persons involved, their relationship, the nature and extent of such interest or connection, the file number of such application, and the location of such station or proposed station.

Exhibit No.

9. State in an Exhibit any interest the applicant or any party to this application proposes to divest in the event of a grant of this application.

Exhibit No.

OTHER MASS MEDIA INTERESTS

10. (a) Do individuals or entities holding nonattributable interests of 5% or more in the applicant have an attributable ownership interest or corporate officership or directorship in a broadcast station, newspaper or CATV system in the same area? (See Instruction 8 to Section 11.)

☐ Yes ☒ No

(b) Does any member of the immediate family (i.e., husband, wife, father, mother, brother, sister, son or daughter) of an individual holding a nonattributable interest of 5% or more in the applicant have any interest in or connection with any other broadcast station, pending broadcast application, newspaper in the same area (see Section 73.3555(c)), or, in the case of a television station applicant only, a cable television system in the same area (see Section 76.501(a))?

☐ Yes ☒ No

If the answer to (a) and/or (b) above is Yes, attach an Exhibit giving a full disclosure concerning the persons involved, their relationship, the nature and extent of such interest or connection, the file number of such application, and the location of such station or proposed station.

Exhibit No.

Section 11 - LEGAL QUALIFICATIONS (Page 4)

CITIZENSHIP AND OTHER STATUTORY REQUIREMENTS

11. (a) Is the applicant in violation of the provisions of Section 810 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments? (See Instruction 6 to Section 11.)

☐ Yes ☒ No

- (b) Will any funds, credits or other financial assistance for the construction, purchase or operation of the station(s) be provided by aliens, foreign entities, domestic entities controlled by aliens, or their agents?

☐ Yes ☒ No

If the answer to (b) above is Yes, attach an Exhibit giving full disclosure concerning this assistance.

Exhibit No.

12. (a) Has an adverse finding been made or an adverse final action been taken by any court or administrative body as to the applicant, any party to this application, or any non-party equity owner in the applicant in a civil or criminal proceeding brought under the provisions of any law related to the following:

Any felony; broadcast related antitrust or unfair competition; criminal fraud or fraud before another governmental unit; or discrimination?

☐ Yes ☒ No

- (b) Is there now pending in any court or administrative body any proceeding involving any of the matters referred to in (a) above?

☐ Yes ☒ No

If the answer to (a) and/or (b) above is Yes, attach an Exhibit giving full disclosure concerning persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), a statement of the facts upon which the proceeding is or was based or the nature of the offense alleged or committed, and a description of the current status or disposition of the matter.

Exhibit No.



### SECTION III - FINANCIAL QUALIFICATIONS

NOTE: If this application is for a change in an operating facility do not fill out this section.

1. The applicant certifies that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without revenue.

☒ Yes ☐ No

2. State the total funds you estimate are necessary to construct and operate the requested facility for three months without revenue.

\$ 102,421

3. Identify each source of funds, including the name, address, and telephone number of the source (and a contact person if the source is an entity), the relationship (if any) of the source to the applicant, and the amount of funds to be supplied by each source.

Source of Funds (Name and Address)	Telephone Number	Relationship	Amount
William D. Smith Bank Of Marion P.O. Box 1067 Marion, VA 24354	(703) 783-3116	NONE	\$125,000.00

#### Section IV-A - PROGRAM SERVICE STATEMENT

Attach as an Exhibit, a brief description, in narrative form, of the planned programming service relating to the issues of public concern facing the proposed service area.

Exhibit No.  
A-1

#### Section IV-B - INTEGRATION STATEMENT

Attach as an Exhibit the information required in 1 and 2 below.

Exhibit No.  
A-2

- 1 List each principal of the applicant who, in the event of a grant of the application on a comparative basis proposes to participate in the management of the proposed facility and, with respect to each such principal, state whether he or she will work full-time (minimum 40 hours per week) or part-time (minimum 20 hours per week) and briefly describe the proposed position and duties.
- 2 State with respect to each principal identified in response to Item 1. above, whether the applicant will claim qualitative credit for any of the following enhancement factors:
  - (a) Minority Status
  - (b) Past Local Residence  
If Yes, specify whether in the community of license or service area and the corresponding dates.
  - (c) Female Status
  - (d) Broadcast Experience  
If Yes, list each employer and position and corresponding dates.
  - (e) Daytime Preference

Exhibit A-1  
James K. Cornick  
Marion, Virginia  
Program Service Statement

The applicant proposes to offer regularly scheduled newscasts on a daily basis. News programming will be supplemented by public affairs programming and public service announcements to be scheduled on a weekly basis.

Non-entertainment programming by the proposed station will be designed to address the needs and interests of the residents of Marion, Virginia, as determined by the applicant's regular and frequent contact with members of the community.

Exhibit A-2  
James K. Cornick  
Marion, Virginia  
Integration Statement

James K. Cornick will serve as the station's general manager on a full-time basis, and commits to work a minimum of 40 hours per week. As general manager, Cornick will oversee the day-to-day operation of the station regarding personnel, revenue and expenses, programming, and technical operation.

James K. Cornick is a life long resident of Marion, Virginia. He presently serves on the city council.

James K. Cornick has prior broadcast experience. He worked as an announcer/operator and account executive at WVOT(AM) and WXYF(FM), owned by Century Communications, from 1978 until February 1981. Cornick was employed as an announcer at WLLY Wilson, North Carolina, from February through August 1981.

<b>Section V-B - FM BROADCAST ENGINEERING DATA</b>	<b>FOR COMMISSION USE ONLY</b> File No. _____ ASB Referral Date _____ Referred by _____
--	--

Name of Applicant

James Killinger Cornick

Call letters (if issued)

(NEW)

Is this application being filed in response to a window? ☒ Yes ☐ No

If Yes, specify closing date: March 14, 1991

Purpose of Application: (check appropriate box(es))

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Construct a new (main) facility            | <input type="checkbox"/> Construct a new auxiliary facility                         |
| <input type="checkbox"/> Modify existing construction permit for main facility | <input type="checkbox"/> Modify existing construction permit for auxiliary facility |
| <input type="checkbox"/> Modify licensed main facility                         | <input type="checkbox"/> Modify licensed auxiliary facility                         |

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

- |   |  |
|---|--|
| <input type="checkbox"/> Antenna supporting-structure height  | <input type="checkbox"/> Effective radiated power  |
| <input type="checkbox"/> Antenna height above average terrain | <input type="checkbox"/> Frequency                 |
| <input type="checkbox"/> Antenna location                     | <input type="checkbox"/> Class                     |
| <input type="checkbox"/> Main Studio location                 | <input type="checkbox"/> Other (Summarize briefly) |

File Number(s) \_\_\_\_\_

1. Allocation:

Channel No.	Principal community to be served:			Class (check only one box below)
278	City	County	State	<input checked="" type="checkbox"/> A <input type="checkbox"/> B1 <input type="checkbox"/> B <input type="checkbox"/> C3 <input type="checkbox"/> C2 <input type="checkbox"/> C1 <input type="checkbox"/> C
	Marion	Smyth	VA	

2. Exact location of antenna.

- (a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark. SR 622, 7.08 kilometers at 63.51 degrees from Marion, Smyth County, Virginia.
- (b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	36°	52'	00"	Longitude	81°	26'	38"
----------	-----	-----	-----	-----------	-----	-----	-----

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? ☐ Yes ☒ No

If Yes, give call letter(s) or file number(s) or both. \_\_\_\_\_

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any. \_\_\_\_\_

## SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates?  
If Yes, list old coordinates.

☐ Yes ☒ No

Latitude	°	'	"	Longitude	°	'	"
----------	---	---	---	-----------	---	---	---

5. Has the FAA been notified of the proposed construction?

☒ Yes ☐ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.

Date March 6, 1991 Office where filed AEA-530 Jamaica, NY

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	_____	_____	_____
(b)	_____	_____	_____

7. (a) Elevation: (to the nearest meter)

(1) of site above mean sea level; 695 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 98 meters

(3) of the top of supporting structure above mean sea level [(a)(1) + (a)(2)] 793 meters

- (b) Height of radiation center: (to the nearest meter) H - Horizontal; V - Vertical

(1) above ground 91 meters (H)

91 meters (V)

(2) above mean sea level [(a)(1) + (b)(1)] 786 meters (H)

786 meters (V)

(3) above average terrain -18 meters (H)

-18 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.  
E-1

9. Effective Radiated Power:

(a) ERP in the horizontal plane 6.0 kw (H\*) 6.0 kw (V\*)

- (b) Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.

         kw (H\*)          kw (V\*)

\*Polarization

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 3)

10. Is a directional antenna proposed?

☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field.

Exhibit No.

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)?

☒ Yes ☐ No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service.

Exhibit No.

12. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal?

☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.

13. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207?

☐ Yes ☒ No

(b) If the answer to (a) is No, does 47 C.F.R. Section 73.218 apply?

☐ Yes ☒ No

(c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers.

Exhibit No.

(d) If the answer to (a) is No and the answer to (b) is No, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.  
E-2

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.  
E-2

- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as the transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibit(s).

14. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast (except citizens band or amateur) radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☐ Yes ☒ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(e) and 73.318.)

Exhibit No.

15. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V. The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No. E-3
--------------------

16. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. E-4
--------------------

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 6.16 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 259 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 964.59 sq. km. Population 29,370

18. For an application involving an auxiliary facility only, attach as an Exhibit a map *(Sectional Aeronautical Chart or equivalent)* that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
-------------

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

19. Terrain and coverage data *(to be calculated in accordance with 47 C.F.R. Section 73.313)*

Source of terrain data: *(check only one box below)*

☒ Linearly interpolated 30-second database ☐ 7.5 minute topographic map

(Source: NGDC)

☐ Other *(briefly summarize)*



## SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 8 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*	See Exhibit E-5		
0			
45			
90			
135			
180			
225			
270			
315			

\*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

## 20. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? ☐ Yes ☒ No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

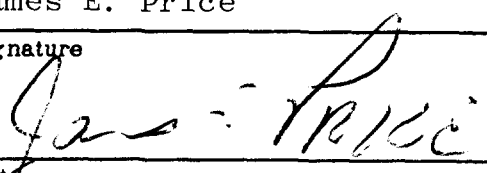
Exhibit No.

If No, explain briefly why not.

The proposed construction does not require any action covered by 1.1307 of the Rules. ANSI standards regarding non-ionizing radiation would not be exceeded.

## CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed)	Relationship to Applicant (e.g., Consulting Engineer)
James E. Price	Technical Consultant
Signature	Address (Include ZIP Code)
	Sterling Communications, Inc. P.O. Box 80484 Chattanooga, TN 37411-7484
Date	Telephone No. (Include Area Code)
March 7, 1991	(615) 899-9393

North Latitude 36-52-00  
West Longitude 81-26-38

FM Channel 278A		ARC 786 Meters AMSL	
All heights in meters and include obstruction lighting.	(@)	X	-
		X	-
		X	-
		X	
		X	
		X	
		X	
		X	
		X	
		X	
		X	
		X	
		X	
		X	
		X	
98		91	
			-18
			804 Average Terrain
Site Elevation 695			
Mean Sea Level)		(Not To Scale)	

**Exhibit E-2**  
**James K. Cornick**  
**Marion, Virginia**  
**Request For Processing Under FCC R&R 73.215**

The Commission assigned FM Channel 278A to Marion, Virginia, in a Report And Order (Docket 90-412), Released December 26, 1990. The assignment became effective February 11, 1991. The filing window opened February 12, 1991, and closes March 14, 1991.

The applicant hereby requests processing under Section 73.215 of the Rules. In support of this request, the following is shown:

(1) The Marion, Virginia, assignment was made with a site restriction 13.5 kilometers northeast to avoid a short-spacing to WIMZ Knoxville, Tennessee. The Commission substituted FM Channel 237A for FM Channel 276A, assigned to Rural Retreat, Virginia, at the transmitter site specified in the construction permit of WCRR Rural Retreat, Virginia.

(2) The applicant's proposed transmitter site meets the distance separation requirements of Section 73.207 of the Commission's Rules with the exception of WIMZ Knoxville, Tennessee. The applicant's proposed transmitter site is located 219.88 kilometers from co-channel WIMZ Knoxville, Tennessee. The required separation is 226 kilometers.

(3) Marion, Virginia, is located in the Appalachian Mountains. Much of the area in which a fully spaced transmitter site may be located is within the Jefferson National Forest. This area is further limited by the need to provide line-of-site and city grade coverage to the community.

(4) The site chosen by the applicant is on private property, owned by the applicant's father. There is no question regarding the availability of the proposed transmitter site.

(5) The proposed site will permit unobstructed city grade coverage to all of Marion, Virginia.

(6) The site is level. Extensive grading or fill will not be necessary.

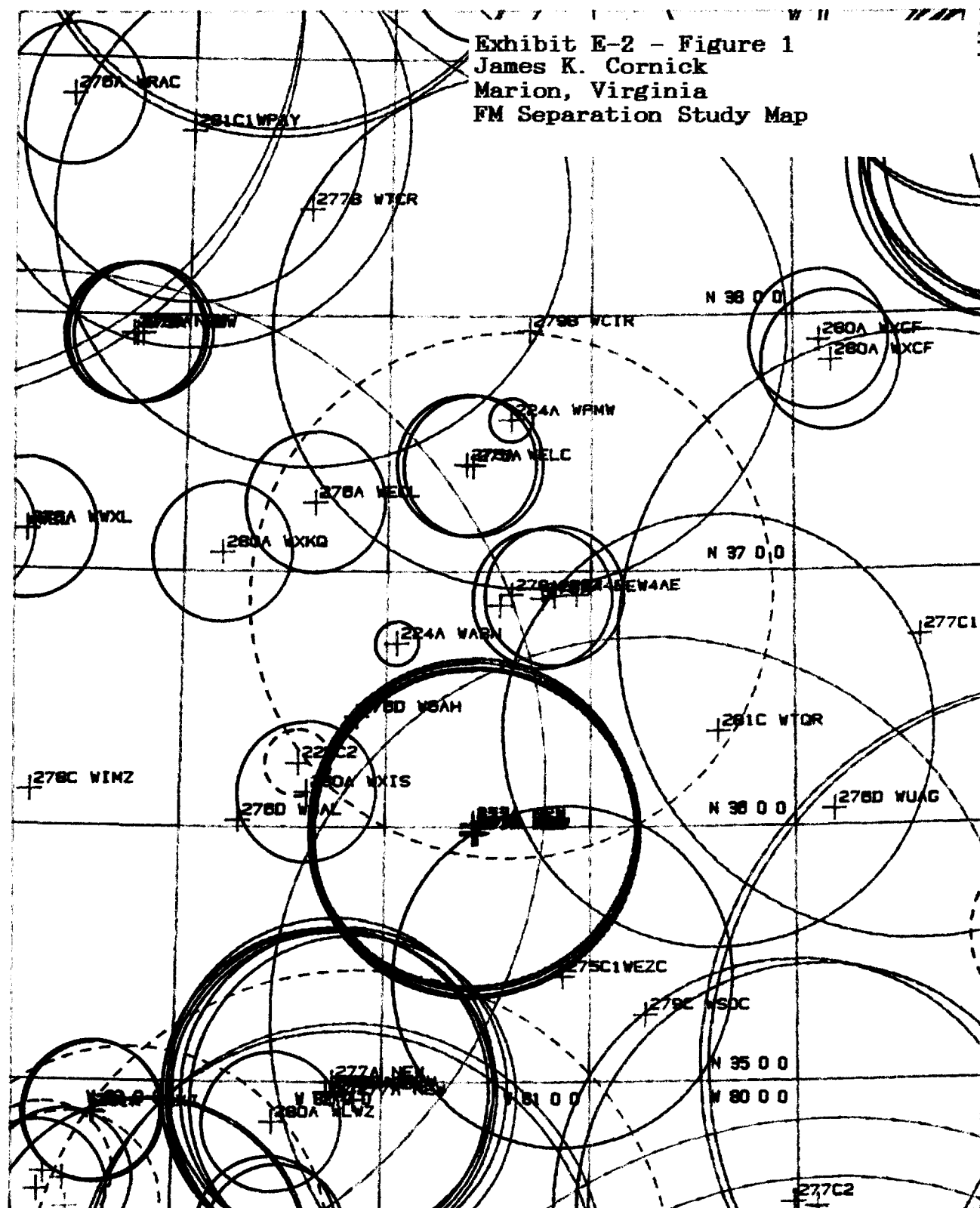
(7) Electric power and telephone service is available at the site.

(8) The site is accessible the year around via SR 622. SR 622 is paved and maintained by the State Of Virginia.

Figure 1 of this exhibit is an FM separation map (allocation study) map showing each facility and assignment receiving consideration. Figures 2, 3, and 4 are furnished to identify the facilities shown on the separation map.

Figure 5 is a computer generated map furnished to show the lack of prohibited overlap of contours involving the proposed new Marion, Virginia, facility, and WIMZ Knoxville, Tennessee. Shown are the protected and interfering contours, in all directions, for the proposed facility, and the protected and interfering contours, over pertinent arcs, for WIMZ. The transmitter site for the proposed new Marion, Virginia, facility, and the transmitter site for WIMZ have been plotted. The map includes a scale of kilometers and lines of longitude and latitude so the location of the sites may be verified.

Exhibit E-2 - Figure 1  
James K. Cornick  
Marion, Virginia  
FM Separation Study Map



## IDENTIFICATION OF FACILITIES FOR FM SEPARATION MAP

MARION VA : 030691 :

REFERENCE POINT: N LAT 36-52-00 W LNG 81-26-38

COMMERCIAL FM SEPARATION STUDY FOR CHANNEL 278 A  
(FREQUENCY 103.5 MHZ.)

CHAN	CALL	CITY AND STATE	CL	TYP	N LAT	W LNG	D(km)	D(mi)	AZIMUTH	ERP	HAAT(M)	REQ'D SEP., KM
275C3		Clarkesville GA	C3	AD	34-30-00	83-30-00	321.86	199.99	215.81	0	0	41.5 km.
275A		Clarkesville GA	A	DE	34-38-09	83-36-52	315.92	196.3	218.93	0	0	30.5 km.
275A		Clarkesville GA	A	AS	34-36-36	83-31-12	312.99	194.48	217.36	0	0	30.5 km.
275A	WMJE	Clarkesville GA	A	CP	34-33-49	83-38-26	323.74	201.16	218.4	1.8	125	30.5 km.
275A		West Liberty KY	A	AS	37-55-24	83-15-30	198.92	123.6	306.79	0	0	30.5 km.
275A	NEW	West Liberty KY	A	AP	37-55-36	83-16-35	200.42	124.54	306.61	6	100	30.5 km.
275A	NEW	West Liberty KY	A	AP	37-55-33	83-13-55	197.2	122.53	307.25	6	100	30.5 km.
275A		Mount Vernon KY	A	AS	37-23-32	84-25-59	271.95	168.98	283.34	0	0	30.5 km.
275A	NEW	Mount Vernon KY	A	CP	37-21-32	84-27-40	273.68	170.06	282.47	2.5	106	30.5 km.
275A		Raleigh NC	A	AS	35-48-31	78-37-56	278.4	172.99	114.2	0	0	30.5 km.
275A	NEW	Raleigh NC	A	AP	35-50-18	78-36-41	278.68	173.16	113.42	3	100	30.5 km.
275A	NEW	Raleigh NC	A	AP	35-50-59	78-36-56	277.81	172.62	113.22	3	100	30.5 km.
275A	NEW	Raleigh NC	A	AP	35-50-47	78-38-38	275.65	171.28	113.51	3	98	30.5 km.
275A	NEW	Raleigh NC	A	AP	35-49-08	78-36-58	279.22	173.5	113.86	3	100	30.5 km.
275A	NEW	Raleigh NC	A	AP	35-49-58	78-40-39	273.55	169.98	114.07	3	100	30.5 km.
275A	NEW	Raleigh NC	A	AP	35-50-47	78-38-38	275.65	171.28	113.51	3	100	30.5 km.
275A	NEW	Raleigh NC	A	AP	35-50-44	78-38-38	275.68	171.3	113.53	3	99	30.5 km.
275A	NEW	Raleigh NC	A	AP	35-49-20	78-37-06	278.88	173.29	113.81	3	100	30.5 km.
275A	NEW	Raleigh NC	A	AP	35-48-55	78-37-13	279.05	173.39	113.97	3	100	30.5 km.
275A	NEW	Raleigh NC	A	AP	35-50-44	78-38-35	275.75	171.34	113.52	3	100	30.5 km.
275A	NEW	Raleigh NC	A	AP	35-50-09	78-36-50	278.6	173.11	113.49	3	100	30.5 km.
275A	NEW	Raleigh NC	A	AP	35-48-30	78-37-29	279.02	173.37	114.15	3	100	30.5 km.
275C1	WEZC	Hickory NC	C1	LI	35-24-26	81-07-47	184.39	102.15	170.05	31	468	74.5 km.
275A	WELC	Welch WV	A	CP	37-25-01	81-36-58	82.956	39.119	346.05	1.8	129	30.5 km. (CLOSE 32.5)
275A		Welch WV	A	AS	37-24-49	81-34-58	61.94	38.488	348.6	0	0	30.5 km. (CLOSE 31.4)
276A	WECL	Elkhorn City KY	A	LI	37-16-05	82-21-37	92.878	57.712	299.04	.12	418	30.5 km.
276A	WWXL	Manchester KY	A	LI	37-09-14	83-46-31	209.93	130.44	279.47	2.85	94	30.5 km.
276A	WWXL	Manchester KY	A	CP	37-09-13	83-46-28	209.81	130.37	279.47	2.65	103	30.5 km.
276A	WTKT	Georgetown KY	A	LI	38-06-57	84-31-19	305.49	189.82	298.02	3	91	30.5 km.
276A	WRCQ	Dunn NC	A	LI	35-13-41	78-38-53	310.69	193.05	125.11	2.7	98	30.5 km.
276D	NUAG	Greensboro NC	D	LI	36-03-51	79-48-37	171.38	106.49	120.93	.01	79	
276A	WRAC	West Union OH	A	LI	38-51-25	83-36-38	291.81	181.32	319.98	1.4	128	30.5 km.
276A	WOMG	Columbia SC	A	LI	34-03-05	81-00-07	314.91	195.68	172.58	3	91	30.5 km.
276A	WRIX	Honea Path SC	A	AP	34-25-31	82-32-26	288.51	179.27	200.38	5.8	100	30.5 km.
276A	WRIX	Honea Path SC	A	LI	34-23-43	82-29-49	290.32	180.4	199.41	3	91	30.5 km.
276D	W6AL	Greeneville, TN	D	LI	36-01-24	82-42-56	147.5	91.652	230.88	.04	0	
276D	W6AH	Johnson City, TN	D	CP	36-25-45	82-08-30	79.059	49.125	232.2	0	0	

CHAN	CALL	CITY AND STATE	CL	TYP	N LAT	W LNG	D(km)	D(mi)	AZIMUTH	ERP	HAAT(M)	REQ'D SEP., KM
276A	WDRZ	Etowah TN	A	LI	35-19-15	84-30-34	325.02	201.96	238.94	3	-4	30.5 km.
276C2		Etowah TN	C2	AS	35-26-46	84-32-20	320.02	198.85	241.3	0	0	54.5 km.
276C2	WDRZ	Etowah TN	C2	CP	35-27-24	84-40-43	330.45	205.33	242.6	50	150	54.5 km.
276A	WCLC	Jamestown TN	A	LI	36-26-31	84-55-28	314.76	195.58	262.39	1.1	140	30.5 km.
276A		Rural Retreat VA	A	AS	36-53-39	81-14-20	18.529	11.513	80.419	0	0	30.5 km. (SHORT-12)
276A	NEW	Rural Retreat VA	A	CP	36-54-15	81-10-51	23.817	14.799	79.815	3	100	30.5 km. (SHORT-6.7)
276A	WKKX	Parkersburg WV	A	LI	39-21-00	81-33-57	275.85	171.41	357.84	.73	168	30.5 km.
277A	NEW	Lenoir NC	A	AP	35-58-40	81-34-27	99.324	61.717	186.78	3	100	71.5 km. (CLOSE 27.8)
277A	NEW	Lenoir NC	A	AP	35-58-17	81-33-40	99.898	62.074	186.07	.83	193	71.5 km. (CLOSE 28.4)
277A	NEW	Lenoir NC	A	AP	35-58-24	81-33-22	99.638	61.912	185.81	.86	185	71.5 km. (CLOSE 28.1)
277A	NEW	Lenoir NC	A	AP	35-58-30	81-32-58	99.395	61.761	185.47	.74	204	71.5 km. (CLOSE 27.9)
277A	NEW	Lenoir NC	A	AP	35-58-07	81-34-23	100.32	62.336	186.64	3	100	71.5 km. (CLOSE 28.8)
277A	NEW	Lenoir NC	A	AP	35-58-31	81-33-05	99.381	61.752	185.57	.55	235	71.5 km. (CLOSE 27.9)
277A	NEW	Lenoir NC	A	AP	35-58-17	81-33-39	99.896	62.072	186.02	.7	195	71.5 km. (CLOSE 28.4)
277A		Lenoir NC	A	AS	35-58-38	81-33-57	99.3	61.702	186.33	0	0	71.5 km. (CLOSE 27.8)
277A	NEW	Lenoir NC	A	AP	35-59-56	81-34-17	96.969	60.254	186.78	3	100	71.5 km. (CLOSE 25.5)
277A	NEW	Lenoir NC	A	AP	36-00-46	81-34-24	95.46	59.316	186.99	3	100	71.5 km. (CLOSE 24)
277C2	WJMX	Cheraw SC	C2	LI	34-30-19	79-54-15	296.78	184.4	151.64	44	160	105.5 km.
277C2		Cheraw SC	C2	AS	34-31-26	80-00-49	290.39	180.44	153.21	0	0	105.5 km.
277A		Greer SC	A	AS	34-56-24	82-13-36	225.15	139.9	198.45	0	0	71.5 km.
277A	NEW	Greer SC	A	AP	34-57-18	82-16-03	224.76	139.66	199.48	3	100	71.5 km.
277A	NEW	Greer SC	A	AP	34-56-59	82-14-43	224.86	139.6	198.94	3	100	71.5 km.
277A	NEW	Greer SC	A	AP	34-59-41	82-14-20	219.74	136.54	199.21	3	100	71.5 km.
277A	NEW	Greer SC	A	AP	34-57-18	82-16-03	224.76	139.66	199.48	3	100	71.5 km.
277A	NEW	Greer SC	A	AP	34-57-18	82-16-04	224.77	139.67	199.48	3	100	71.5 km.
277A	NEW	Greer SC	A	AP	34-55-33	82-08-04	224.19	139.31	196.28	3	100	71.5 km.
277A	NEW	Greer SC	A	AP	34-57-23	82-10-43	222.09	138	197.52	3	100	71.5 km.
277A		New Market VA	A	AS	38-38-00	78-42-42	310.53	192.95	49.894	0	0	71.5 km.
277A	NEW	New Market VA	A	AP	38-39-32	78-49-16	304.93	189.47	48.364	6	100	71.5 km.
277A	NEW	New Market VA	A	AP	38-35-11	78-47-21	302	187.65	49.875	3	100	71.5 km.
277A	NEW	New Market VA	A	AP	38-36-31	78-54-07	295.95	183.89	48.317	2.1	166	71.5 km.
277A	NEW	New Market VA	A	AP	38-36-00	78-50-08	299.8	186.29	49.168	6	100	71.5 km.
277A	NEW	New Market VA	A	AP	38-41-10	78-49-29	306.64	190.54	47.892	1	233	71.5 km.
277A	NEW	New Market VA	A	AP	38-39-32	78-49-16	304.93	189.47	48.364	6	100	71.5 km.
277C1	WAKG	Danville VA	C1	LI	36-44-28	79-23-05	184.29	114.51	93.737	100	192	132.5 km.
277B	WTCR	Huntington WV	B	LI	38-25-11	82-24-06	191.98	119.29	334.26	50	150	112.5 km.
278B	WGMS	Washington DC	B	LI	38-56-09	77-05-33	446.33	277.34	57.602	46	155	177.5 km.
278A		Gibson GA	A	AD	33-09-36	82-29-33	422.2	262.34	193.35	0	0	114.5 km.
278A		Radcliff KY	A	AS	37-50-48	85-56-36	413.21	256.76	286.68	0	0	114.5 km.
278A	NEW	Radcliff KY	A	AP	37-51-08	85-56-45	413.57	256.98	286.76	3	100	114.5 km.
278A	NEW	Radcliff KY	A	AP	37-47-47	85-56-08	411.23	255.53	285.95	3	100	114.5 km.
278C2		Dunn NC	C2	AS	35-02-45	78-36-30	325.97	202.55	127.58	0	0	165.5 km.
278C2	WRCQ	Dunn NC	C2	CP	35-03-09	78-38-54	322.68	200.5	127.89	48	153	165.5 km.
278B	WRKY	Steubenville OH	B	LI	40-20-32	80-37-14	392.42	243.84	10.231	16	268	177.5 km.
278A		Lancaster OH	A	AS	39-45-48	82-35-05	336.66	209.19	343.18	0	0	114.5 km.
278A	WSWZ	Lancaster OH	A	CP	39-43-58	82-35-43	333.7	207.35	342.86	3	100	114.5 km.
278B	WGRR	Hamilton OH	B	AP	39-12-01	84-31-22	374.38	232.63	314.84	10.5	322	177.5 km.
278B	WGRR	Hamilton OH	B	LI	39-16-24	84-31-37	380.2	236.25	315.7	19.5	241	177.5 km.
278A	WLAK	Huntingdon PA	A	LI	40-29-51	78-08-00	495.49	307.88	34.42	.16	435	114.5 km.
278C1	WEZL	Charleston SC	C1	LI	32-49-04	79-50-08	472.64	293.68	161.48	100	201	199.5 km.

CHAN	CALL	CITY AND STATE	CL	TYP	N LAT	W LNG	D(km)	D(mi)	AZIMUTH	ERP	HAAT(M)	REQ'D SEP., KM
278C	WEZL	Charleston SC	C	CP	32-48-55	79-50-10	472.89	293.84	161.49	100	301	225.5 km.
278A	WNTY	Greenwood SC	A	DE	34-09-46	82-11-41	307.62	191.15	192.95	0	0	114.5 km.
278C3	WNTY	Greenwood SC	C3	AD	34-09-28	82-07-42	306.89	190.69	191.82	0	0	141.5 km.
278A		Greenwood SC	A	AS	34-11-36	82-09-30	303.6	188.65	192.48	0	0	114.5 km.
278A	WNTY	Greenwood SC	A	LI	34-09-46	82-11-41	307.62	191.15	192.95	3	100	114.5 km.
278C	WIMZ	Knoxville TN	C	LI	36-08-06	83-43-29	219.88	136.63	248.93	100	524	225.5 km. (SHORT-5.6)
278A		Marion VA	A	AD	36-54-28	81-23-25	6.6071	4.1055	46.189	0	0	114.5 km. (SHORT-107.9)
279A		Royston GA	A	AS	34-17-18	83-06-30	323.41	200.96	208.19	0	0	71.5 km.
279A	WBIC	Royston GA	A	LI	34-16-50	83-07-09	324.63	201.72	208.28	3	100	71.5 km.
279C3	WBIC	Royston GA	C3	AD	34-19-59	83-12-17	323.23	200.85	209.99	0	0	88.5 km.
279A	WBIC	Royston GA	A	DE	34-16-50	83-07-09	324.63	201.72	208.28	0	0	71.5 km.
279A		Frankfort KY	A	AS	38-12-48	84-54-16	340.41	211.52	297.19	0	0	71.5 km.
279A	NEW	Frankfort KY	A	AP	38-13-17	84-54-52	341.58	212.25	297.26	3	100	71.5 km.
279A	NEW	Frankfort KY	A	AP	38-13-17	84-54-52	341.58	212.25	297.26	2.5	109	71.5 km.
279A	NEW	Frankfort KY	A	AP	38-09-07	84-51-04	333.32	207.12	296.46	3	90	71.5 km.
279A	NEW	Frankfort KY	A	AP	38-07-11	84-53-09	334.66	207.95	295.69	3	100	71.5 km.
279A	NEW	Frankfort KY	A	AP	38-12-58	84-53-35	339.64	211.04	297.31	3	100	71.5 km.
279C	WSOC	Charlotte NC	C	LI	35-15-41	80-43-38	189.46	117.72	159.95	99	320	164.5 km. (CLOSE 25)
279A		Fisher WV	A	AS	39-03-06	79-00-16	323.69	201.13	40.612	0	0	71.5 km.
279A	NEW	Fisher WV	A	AP	39-05-05	79-01-47	324.97	201.93	39.892	6	100	71.5 km.
279B	WCIR	Beckley WV	B	LI	37-56-51	81-18-32	120.55	74.906	5.6336	5	452	112.5 km. (CLOSE 8.1)
280A	WPPL	Blue Ridge GA	A	LI	34-52-02	84-20-03	342.58	212.87	230.37	3	73	30.5 km.
280A	WXKQ	Whitesburg KY	A	LI	37-04-27	82-48-44	124	77.05	281.16	.21	287	30.5 km.
280A	WNEL	London KY	A	LI	37-08-28	84-04-45	236.53	146.97	278.22	3	58	30.5 km.
280C3	WNND	Fuquay-Varina NC	C3	AD	35-33-46	78-41-51	286.22	177.85	119.66	0	0	41.5 km.
280A	WNND	Fuquay-Varina NC	A	LI	35-38-43	78-43-29	279.45	173.64	118.31	1.5	142	30.5 km.
280A	WNND	Fuquay-Varina NC	A	DE	35-38-43	78-43-29	279.45	173.64	118.31	0	0	30.5 km.
280A	WLWZ	Easley SC	A	LI	34-50-21	82-31-37	245.31	152.43	203.73	3	100	30.5 km.
280A	WXIS	Erwin TN	A	LI	36-08-15	82-23-00	116.75	72.545	226.28	2.45	100	30.5 km.
280D	WOAE	Etowah TN	D	LI	35-19-36	84-31-05	325.33	202.15	239.12	0	0	
280A	WDEB	Jamestown TN	A	LI	36-25-55	84-56-33	316.55	196.7	262.24	1.6	137	30.5 km.
280A	WYFT	Luray VA	A	AP	38-38-17	78-24-06	332.47	206.59	52.707	6	92	30.5 km.
280A	WYFT	Luray VA	A	LI	38-38-17	78-24-06	332.47	206.59	52.707	3	91	30.5 km.
280A	WXCF	Clifton Forge VA	A	AP	37-54-12	79-52-15	180.68	112.27	49.853	.15	582	30.5 km.
280A	WXCF	Clifton Forge VA	A	LI	37-49-18	79-48-46	179.23	111.37	53.138	3	155	30.5 km.
280A	WATQ	New Martinsville WV	A	LI	39-10-40	80-52-42	315.93	196.31	8.8031	3	91	30.5 km.
281A		Clayton GA	A	AS	34-52-42	83-23-18	281.97	175.21	218.97	0	0	30.5 km.
281A	WQXJ	Clayton GA	A	CP	34-52-23	83-22-35	281.76	175.08	218.72	.48	249	30.5 km.
281C3	WCKG	Campbellsville KY	C3	AD	37-19-29	85-18-36	347.44	215.89	279.61	0	0	41.5 km.
281C	WTQR	Winston-Salem NC	C	LI	36-22-28	80-22-31	110.1	68.413	119.53	100	433	94.5 km. (CLOSE 15.6)
281C1	WPAY	Portsmouth OH	C1	LI	38-43-20	83-00-05	247.46	153.76	326.92	100	256	74.5 km.
281C	WPAY	Portsmouth OH	C	CP	38-43-20	83-00-05	247.46	153.76	326.92	100	305	94.5 km.
281A		Calhoun TN	A	AS	35-19-11	84-46-39	345.83	214.89	241.12	0	0	30.5 km.
281A	WDCI	Bridgeport WV	A	CP	39-17-59	80-17-30	288.36	179.18	20.087	3	100	30.5 km.
281A		Bridgeport WV	A	AS	39-16-48	80-16-54	286.63	178.1	20.404	0	0	30.5 km.
224A	WABN	Abingdon VA	A	LI	36-43-07	81-56-55	47.952	29.796	250.03	1.8	113	9.5 km. (CLOSE 38.5)
224D	WAAE	Wytheville VA	D	LI	36-54-30	81-04-15	33.576	20.863	81.938	0	0	
224A	WPMW	Mullens WV	A	LI	37-35-39	81-23-49	80.845	50.235	2.9331	1.65	135	9.5 km.
225C2		Gray TN	C2	AD	36-15-03	82-25-36	111.41	69.227	232.33	0	0	14.5 km.



MARION VA : 030691 : Channel 278A Ref. N365200 W812638

Exhibit E-2 - Figure 5

James K. Cornick

Marion, Virginia

Protected & Interfering Contours

dashed line = 40 dBu  
solid line = 60 dBu

N 38 0 0

N 37 0 0

NEW  
Marion, VA

WIMZ  
Knoxville, TN

N 36 0 0

N 35 0 0

Y 84 0 0

Y 83 0 0

Y 82 0 0

Y 81 0 0

SCALE 1: 2500000

